



ChloriDos™ Batch Unit



The ChloriDos™ Batch Unit accurately generates Chlorine Dioxide for use in water services particularly where more than one process is being dosed. It is used to disinfect water and control legionella and other potentially harmful pathogens.

ChloriDos™ technology generates in situ, within a safe, self contained reactor unit, Chlorine Dioxide concentrates between 1% and 5% either by acid/ chlorite method or stabilised Chlorine Dioxide precursor and activator. The Chlorine Dioxide solution is then further diluted (to below 2g/l) into a motive water stream and stored in a holding tank ready to be dosed into the separate processes on site when demanded.

Installations are typically for multi demand production processes.

Chlorine Dioxide generation, dosing and monitoring

General Technical Data

- Constant 300 litre supply
- Volt free outputs for connection to BMS systems
- Integrated shelf for 2 process pumps
- Internal power connections for 2 process pumps
- Remote alarm terminals
- Remote stop facility
- Batch count
- Connections for gas detector (auto shut off)
- Individual process dosing controlled independently
- Max operating pressure 8 Bar
- Sight glass for visual ClO₂ indication
- Enclosed reactor with flush facility
- Carbon filtered tank breather vent
- Retractable rigid process pump suction assemblies
- Safe self contained bund unit
- Superior build quality for trouble free operation

All ChloriDos™ Batch Unit systems are supplied fully wet/pressure tested to 6 Bar (ClO₂ reaction vessels 15 Bar), with fully configured control software, completed operational diagnostic checks, unique ID serial numbers and full documentation.

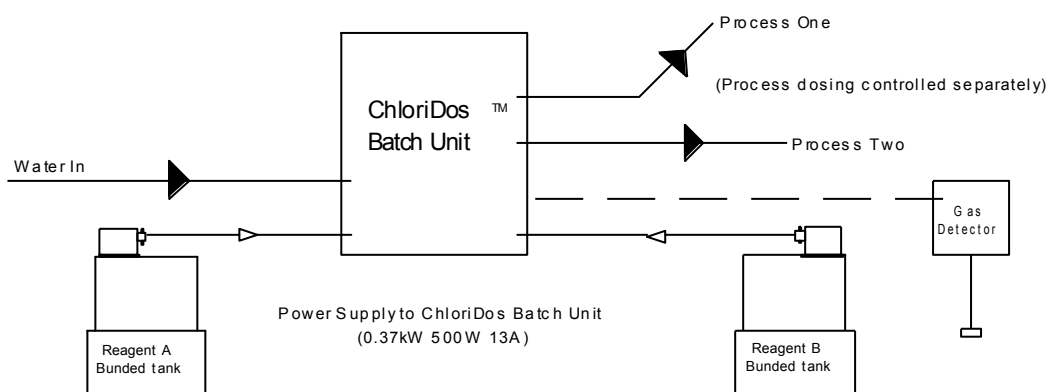
ChloriDos™ Model	Product Description	Typical ClO ₂ production g/h
CDS-B-560-1400	Batch Unit (208-14 E22 binary pumps)	0 - 1400 g/h

ChloriDos™ Batch Technical Data

Mains supply	230V ±10% 50Hz 30mA RCBO protection recommended (6A)
Power Consumption	450 W
Aux Power	Rated 2A at 230V
General alarm output	Rated 6A at 230V (resistive)
Water meter inputs	Pulse/pulse-frequency
Max operating pressure	8 Bar
Water supply pipe connection.	1/2 " PVC union
Max Production	300 / 550 litres/hour
Tank capacity	100 litres
Tank breather filter media	Carbon granules
Binary Pumps	208-6.0 / 208-14.0
Process Pumps	Dependant on process dosing demands
Process pump suction ass.	DN8 connection
Dosing concentration	2 – 5%
Environmental protection level	IP65
Skid dimensions	1200 x 1600 x 650mm
Weight	55 kg

- Binary pumps mounted on reagent storage tanks (powered and controlled by batch unit)
- External isolators and connections for remote binary pumps
- Process pumps mounted on batch unit above batch tank (powered from batch unit but controlled separately)
- Level switches on each binary pump stop generation if either chemical gets low
- Retractable rigid suction lances on process pumps for extended service life and safer servicing of foot valves
- Easy change carbon filter media (tank breather)
- Solenoid valve to prevent over filling of batch tank
- High level switches on tank operate audible alarm and stop generation to prevent over batching

Typical installation of ChloriDos Batch Unit



Optional Ancillaries

Conex Analyser (Dia 1) (for individual processes)		Remote beacon (230V IP65)	8-X195
Gas Detector	307-2000-1	Tmac remote monitoring	14-TMAC-MINI

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